

CLAIMS:

1. An electronic device for use on a data network, wherein:
 - the network supports multiple data communication protocols;
 - the device has an operational mode for multicasting on the data networkrespective query packets using respective ones of the multiple protocols; and
- 5 - at least a specific one of the respective query packets includes an indication representative of the device supporting the multiple protocols.
2. The device of claim 1, comprising a UPnP-compliant component for querying the network based on IP multicasting, wherein the protocols comprise IPv4 and IPv6 and
- 10 wherein the component is configured to send the specific query packet with the indication that the component supports both IPv4 and IPv6.
3. The device of claim 2, wherein the specific query packet comprises an SSDP packet and wherein the indication is accommodated in an OPT field of the SSDP packet.
- 15 4. An electronic device for use on a data network that supports multiple data communication protocols, wherein:
 - the device supports the multiple protocols;
 - the device has an operational mode for receiving via the network respectivequery packets using respective ones of the multiple protocols;
- 20 - at least a specific one of the query packets include an indication representative of a source of the query packets supporting the multiple protocols; and
- the device responds to only a single one of the query packets using a single one of the protocols in dependence of the indication.
- 25 5. The device of claim 4, operative to respond to only the single query packet that is the first to arrive.

6. The device of claim 4, operative to respond to only the single query packet that uses a specific one of the protocols.
7. The device of claim 4, comprising a UPnP-compliant component, and wherein
5 the protocols comprise IPv4 and IPv6.
8. The device of claim 7, operative to respond to only the query packet using IPv6.
- 10 9. Software for configuring an electronic device for use on a data network that supports multiple data communication protocols, wherein:
- the device is configured for multicasting on the data network respective query packets using respective ones of the multiple protocols; and
 - the software is operative to configure the device for including in at least a
15 specific one of the respective query packets an indication representative of the device supporting the multiple protocols.
10. The software of claim 9, wherein:
- the device comprises a UPnP-compliant component for querying the network
20 based on IP multicasting,
 - the protocols comprise IPv4 and IPv6; and
 - the software is operative to configure the component for sending the specific query packet with the indication that the component supports both IPv4 and IPv6.
- 25 11. The software of claim 10, wherein:
- the specific query packet comprises an SSDP packet; and
 - the software configures the component so as to accommodate the indication in an OPT field of the SSDP packet.
- 30 12. Software for configuring an electronic device for use on a data network that supports multiple data communication protocols, wherein:
- the device is configured to support the multiple protocols;
 - the device has an operational mode for receiving via the network respective query packets using respective ones of the multiple protocols;

- at least a specific one of the query packets include an indication representative of a source of the query packets supporting the multiple protocols; and
- the software is operative to configure the device for responding to only a single one of the query packets using a single one of the protocols in dependence of the indication.

13. The software of claim 12, operative to configure the device to respond to only the single query packet that is the first to arrive.

14. The software of claim 12, operative to configure the device to respond to only the single query packet that uses a specific one of the protocols.

15. The software of claim 12, wherein the device comprises a UPnP-compliant component, and wherein the protocols comprise IPv4 and IPv6.

16. The software of claim 15, operative to configure the device to respond to only the single query packet using IPv6.

17. A method of enabling to configure an electronic device for use on a data network that supports multiple data communication protocols, wherein:

- the device is configured for multicasting on the data network respective query packets using respective ones of the multiple protocols; and
- the method comprising enabling to configure the device for including in at least a specific one of the respective query packets an indication representative of the device supporting the multiple protocols.

18. The method of claim 17, wherein the device comprises a UPnP-compliant component for querying the network based on IP multicasting, wherein the protocols comprise IPv4 and IPv6 and wherein the method comprises enabling to configure the component to send the specific query packet with the indication that the component supports both IPv4 and IPv6.

19. The method of claim 18, wherein:

- the specific query packet comprises an SSDP packet; and

- the method comprises enabling to configure the component so as to accommodate the indication in an OPT field of the SSDP packet.

20. A method of enabling to configure an electronic device for use on a data network that supports multiple data communication protocols, wherein:
- the device is configured to support the multiple protocols;
 - the device has an operational mode for receiving via the network respective query packets using respective ones of the multiple protocols;
 - at least a specific one of the query packets include an indication representative of a source of the query packets supporting the multiple protocols; and
 - the method comprises enabling to configure the device for responding to only a single one of the query packets using a single one of the protocols in dependence of the indication.
21. The method of claim 20, comprising enabling to configure the device to respond to only the single query packet that is the first to arrive.
22. The method of claim 20, comprising enabling to configure the device to respond to only the single query packet that uses a specific one of the protocols.
23. The method of claim 20, wherein the device comprises a UPnP-compliant component, and wherein the protocols comprise IPv4 and IPv6.
24. The method of claim 23, comprising enabling to configure the device to respond to only the single query packet using IPv6.